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DESCRIPTORS: *Sulfadiazine, Pyrimidines, *Chemo-
therapeutic agents, Effectiveness, Proteins, Serum,
Molecular structure, Mice, Streptococcus infections.

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serum of 38 different, preferably 5-substituted sulfa-
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are compared with those of the clinically applied sul-
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conditions. Five of the 38 sulfapyrimidines were more
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OF POURBAIX DIAGRAMS. [1963] 17p 10 refs
Order from SLA \$1.60 TT-63-20710

Trans. of Magyar Kemiai Folyoirat (Hungary) 1962,
v. 68, p. 60-65. (Abstract available)

DESCRIPTORS: *Anaerobiology, *Corrosion, *Oxida-
tion-reduction reactions, *Hydrogen ion concentration,
Sulphur, Iron

A potential - pH equilibrium diagram was constructed
for the Fe - S - H₂O ternary system in connection with
studying the mechanism of anaerobic microbiological
corrosion. Correlations between pH and oxidation-
reduction potentials are discussed in connection with the
(Metallurgy--Corrosion, TT, v. 11, no. 3) (over)

1. Title: Pourbaix diagrams
2. Title: Sulfate-reducing
bacteria
3. Title: Thiobacilli
- I. Horvath, J.
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Order from SLA \$1.60 TT-63-20712

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DESCRIPTORS: *Anaerobiology, *Corrosion, Bac-
teria, *Polarization, Reduction (Chemistry), *Sulphates,
Iron, Steel

Electrochemical model tests were conducted, aimed at
evaluating the exact mechanism of anaerobic micro-
biological corrosion of iron and steel caused by sulfate-
reducing bacteria. Experimental results obtained in a
liquid medium with mild steel electrodes demonstrate
that the rapid corrosion occurring in the presence of
(Metallurgy--Corrosion, TT, v. 11, no. 3) (over)

TT-63-20712

1. Title: Sulfate-reducing
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DESCRIPTORS: *Iron, *Steel, *Pipes, *Corrosion,
*Bacteria, Electrochemistry, Hydrogen ion concentra-
tion, Chemical precipitation

On the basis of electrochemical model tests and theo-
retical calculations, correlations between pH and the
rate of anaerobic microbiological corrosion are inter-
preted. It is established that the variation of corrosion
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STT-145-288

Trans. of Strojirenstvi (Czechoslovakia) 1960, v. 10,
no. 12, p. 901-906.

DESCRIPTORS: Cylinder liners, *Rubber, Rubber
coatings, Power.

(Materials--Rubber, TT, v. 7, no. 5)

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(Chemistry--Organic, TT, v. 5, no. 5)

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- I. Diphenyl--Synthesis
- I. Hosaka, Y.
- II. Takehisa, M.
- III. Title: Effect...
- IV. ATS-40M46J
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Sci - Chem

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Trans. of Strojirenstvi (Czechoslovakia) 1960, v. 10,
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DESCRIPTORS: Cylinder liners, *Rubber, Rubber
coatings, Power.

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Trans. of Zeitschrift für Physik (Germany) 1939,
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DESCRIPTORS: *X-rays, *Scattering, Particles,
Cellulose, Fibers, Theory.

(Physics--Solid State, TT, v. 10, no. 2)

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